MOLLER Task	Topic	Deliverable		Grames	CASA/Roblin		OPS-Inj/Kazimi		I&C/Rider			/Kjeldsen		CC/Vasil.		Kowal		Welch		c/Cueves		Milestones		Comments
WIOLLER Task	ТОРІС	Deliverable	FTE	M&S (k\$)	FTE	M&S (k\$)	FTE	M&S (k\$)	FTE	M&S (k\$)	FTE	M&S (k\$)	FTE	M&S (k\$)	FTE	M&S (k\$)	FTE	M&S (k\$)	FTE	M&S (k\$)	FY24	FY25	FY26	Comments
1	Helicity Generator	Helicity board with new settings									0.1								0.2	2	5 boards given to MOLLER coll. Fix two boards	Maintain	Maintain	
2	Helicity Decoder	New Boards for delayed helicity reporting		2															0.6	30	Build 20 boards and distibute to Halls	Maintain	Maintain	
3	RTP Pockels Cell HV	Build, install a new 8- channel driver, with 10 μs risetime, electrically isolated	0.7	40					1		0.2										Design Bench testing Installation CEBAF beam test	Fabricate spares	Operate Maintain	Need PR for John Hansknecht, \$20k contingency
4	IA HV Driver	Build, install a new 4- channel driver, with 10 μs risetime, electrically isolated	0.7	30					0.2		0.1										Design Bench testing Installation CEBAF beam test	Fabricate spares	Operate Maintain	
5	Helicity Magnets Control	Build, instal new control system, with 10 µs rise- time, electrically isolated	0.5	30	0.1				0.3		0.2										Design Bench testing Installation CEBAF beam test	Fabricate spares	Operate Maintain	
6	Polarization Feedback	Provide feedback mechanism (Wiens or energy) to keep P _L within 0.25°	1.3	100	0.3		0.3														Design Implement CEBAF beam test	Operate Maintain	Operate Maintain	New Wien filter might be needed
7		Study Wiens Flip-Right and Flip-Left setups	1.3	50			0.4														Model Inj beam test	Inj beam test	Inj beam test	Repair might be needed
8	Injector Transmission and PQB	Optimize injector transmission for >95%	0.3				0.4														Model Inj beam test	Inj beam test	Inj beam test	
9	Matching and Adiapatic Damping	Deliver matched beam and adquate damping	0.2		0.4		0.3														Model and tools Beam test	Beam test	Beam test	
10	Fast Feedback	Test and maintain existing system			0.6						0.1										Beam test	Beam test	Beam test	
11	Compton Polarimeter	Setup beam thru polarimetor with low halo > 100 Hz/µA			0.3																Beam test	Beam test	Beam test	
12	Beam Modulation	Hot checkout and maintain system			0.1						0.1										Hot checkout	Beam test	Beam test	
13	Phase Advance	Design Hall A brsm optics with sufficient phase advance			0.1																Model Beam test	Beam test	Beam test	
14	K-long Beam	Install Hall D low-rep laser, IA laser system. Study photocathode effects. Model beam loading in Linacs and test with beam. Write report to Physics	0.5	25	0.4		0.4														Study K-long beam Write report			
15	Control of Charge	Division Measure and control charge asymmetry of Halls									0.1										Beam test	Beam test	Beam test	
16	Asymmetry PQB in Injector	B, C, D Setup PQB in injector and Hall A and perform beam	0.2		0.2		0.2														Beam test	Beam test	Beam test	
17	and Hall A Hallo Monitors	studies Install halo target and detectors and provide FSD							0.2		0.2				0.1	6					Design	Install		
18	in Hall A MOLLER Apparatus	and EPICS controls Protect apparatus from									0.2		0.6		0.1	20	0.2				Design	Design	Install	
19	Protection BPM Receivers	New receivers in Hall A line							0.3		0.1										Design	Installation	Ream test	
20	BCM Receivers	Instead of S/H cards							1		0.1										Design Bench testing Installation	CEBAF beam test Beam test	Beam test	
21	POB Liason	Coordinate MOLLER tasks	1.8																		CEBAF beam test			
TOTAL	, QU LIGSUII	COOLGINGTE WICEEN LOSKS	7.5	277	2.5	0	2	0	3	0	1.5	0	0.6	0	0.2	26	0.2	0	0.8	32				
			1							-														

Task Color Code

Almost done

Did it before, should be straightforward

Working on it, should be able to do

New or hard, could be very complicated